

**Multiphase contraceptive preparation based on natural estrogens****Publication number:** EP0770388 (A1)**Publication date:** 1997-05-02**Inventor(s):** DITTGEN MICHAEL PROF DR [DE]; FRICKE SABINE DR [DE];  
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[DE]**Applicant(s):** JENAPHARM GMBH [DE]**Classification:****- international:** **A61K31/565; A61K31/57; A61P15/00; A61P15/18; C07J1/00;  
C07J7/00; A61K31/565; A61K31/57; A61P15/00; C07J1/00;  
C07J7/00;** (IPC1-7): A61K31/57; A61K31/57; A61K31/565**- European:** A61K31/57**Application number:** EP19960116919 19961022**Priority number(s):** DE19951040253 19951028**Also published as:** EP0770388 (B1)  
 US6133251 (A)  
 SK281709 (B6)  
 RU2113849 (C1)  
 PL316608 (A1)[more >>](#)**Cited documents:** DE4429374 (A)  
 US4292315 (A)  
 DE3229612 (A1)  
 EP0491438 (A1)  
 DE4308406 (A)[more >>](#)**Abstract of EP 0770388 (A1)**

A multiphase contraceptive preparation comprises (a) a first phase of 2-4 daily dose units, each containing exclusively natural oestrogens as active agent, (b) a second phase of 22-16 daily dose units, each containing a combination of a least one natural oestrogen and at least one natural or synthetic gestagen as active agent, (c) a third phase of 2-4 daily unit doses, each containing exclusively natural oestrogens as active agent and (d) a further phase of 2-4 daily dose units, each comprising a pharmaceutically inactive placebo.

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